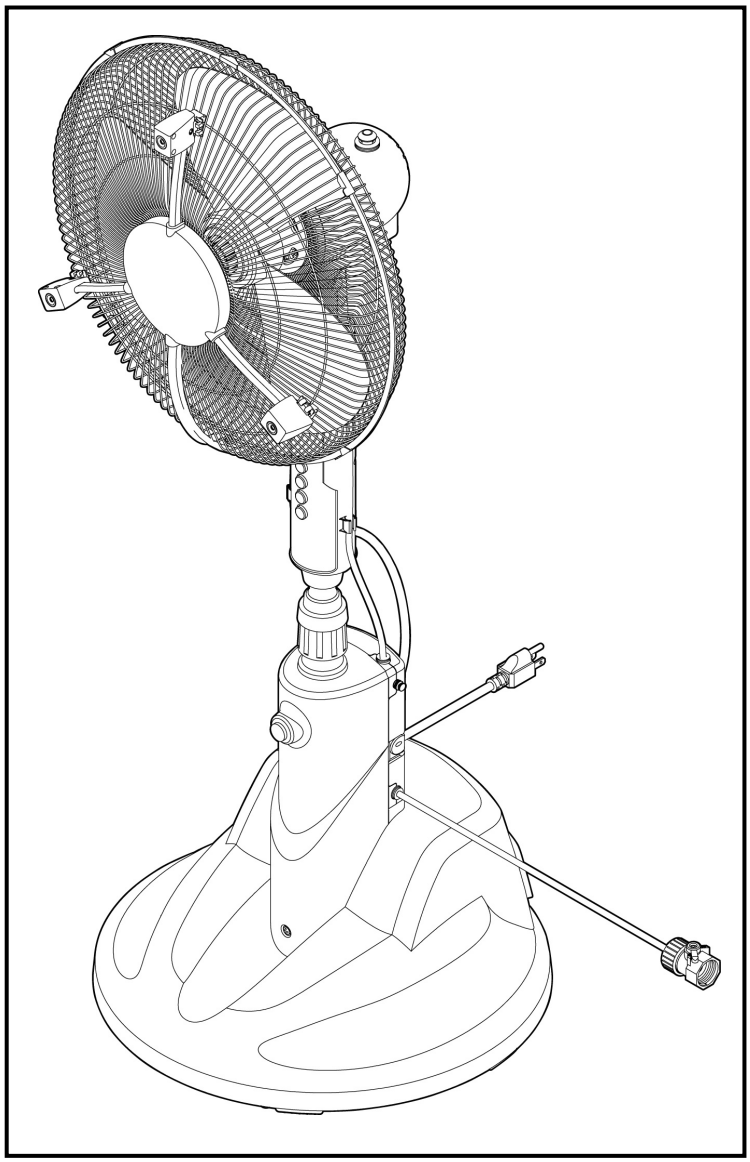
16” Outdoor Misting / Oscillating Fan

Model Number: AMMF16R-1

Owner’s Manual



READ AND SAVE THESE INSTRUCTIONS

Intertek
3084514
CONFORMS TO UL
STD.No.507
Certified to CSA STD.
C22.2 No.113

CAUTION:

Before using this product, read this manual and follow all safety rules and operating instructions. Failure to comply with instructions could result in personal injury and/or property damage.

IMPORTANT:

For replacement parts or assembly questions call 1-800-320-6478 or go to www.auramist.net

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Safety Warnings

READ AND SAVE THESE IMPORTANT SAFETY INSTRUCTIONS

Household Type

SAVE THIS MANUAL **FOR FUTURE REFERENCE.**

READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE.

Read and understand this instruction manual and all labels on the misting fan before using.

Safety is a combination of common sense, staying alert and knowing how this misting fan works. Use this misting fan only as described in this manual. To reduce the risk of personal injury or damage to the misting fan, use only recommended accessories.

Understanding Safety Terminology

DANGER: If safety information is not followed, someone will be seriously injured or killed.

WARNING: If safety information is not followed, someone could be seriously injured or killed.

CAUTION: If safety information is not followed someone may be injured.

When using this misting fan follow basic safety precautions including the following:

WARNING: To reduce the risk of fire, electric shock, or injury:

1. Make sure that the power source complies with the electrical requirements of the misting fan.
2. Do not use this misting fan with any solid state speed control device.
3. Do not expose to rain. Store indoors.
4. Do not use this misting fan with a damaged filter or without a filter installed.
5. To reduce the risk of personal injury, the misting fan should not be used as a toy or placed where children can reach it.
6. Close supervision is necessary when any appliance is used near children.
7. Use this misting fan only as described in this manual. Any other use may cause electrical shock, fire, injury to people or animals.

WARNING: DO NOT USE THE MISTING ON-OFF SWITCHES AS A MEANS OF DISCONNECTING POWER WHEN INSTALLING OR SERVICING THIS PRODUCT. ALWAYS DISCONNECT THE POWER CORD.

8. Disconnect the power cord before moving or performing any maintenance on the misting fan.
9. This misting fan shall not be used in potentially dangerous conditions, such as flammable, explosive or chemically loaded atmospheres.
10. Do not use or store near hazardous materials.
11. Completely assemble the misting fan according to these instructions before connecting to the power source.
12. If the misting fan is not working correctly, has missing parts, has been dropped or damaged or dropped in water, call an authorized service center for evaluation, adjustment or repair.

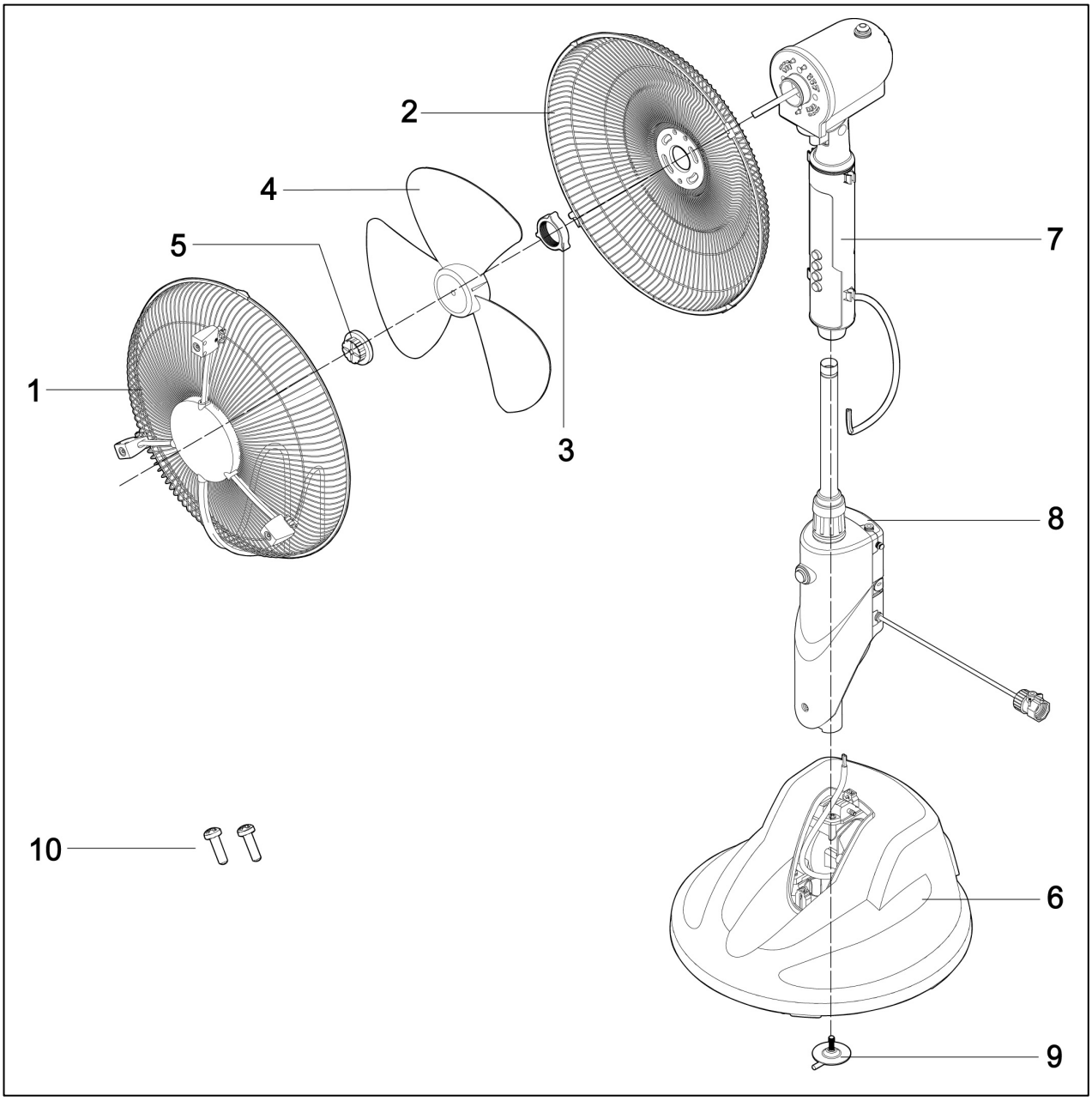
WARNING: IMPROPER CONNECTION OF THE EQUIPMENT-GROUNDING CONDUCTOR CAN RESULT IN A RISK OF ELECTRICAL SHOCK. CHECK WITH A QUALIFIED ELECTRICIAN OR SERVICE PERSON IF YOU ARE IN DOUBT AS TO WHETHER THE OUTLET IS PROPERLY GROUNDED. DO NOT MODIFY THE PLUG PROVIDED WITH THE MISTING FAN IF IT WILL NOT FIT THE OUTLET; HAVE A PROPER OUTLET INSTALLED BY A QUALIFIED ELECTRICIAN. DO NOT USE A THREE-PRONG TO TWO-PRONG ADAPTER. IMPROPER CONNECTION MAY CREATE A RISK FOR ELECTRICAL SHOCK.

13. To protect against a risk of fire, electric shock, or injury to persons， unplug or disconnect the appliance from the power supply before cleaning and user-maintenance, such as lubrication.
14. To protect against electrical shock, do not immerse unit, plug, or cord in water or spray with liquids.
15. Keep the cord away from heated surfaces.
16. To reduce the risk of injury from the misting fan accidentally starting, unplug the power cord before replacing the filter.
17. Do not leave the misting fan unattended when it is plugged in. Unplug it from the power outlet when not in use and before servicing. Turn off the misting fan before unplugging.
18. Do not operate the misting fan with a damaged power cord, plug, or if the misting fan is damaged in any manner. Call an authorized service center for evaluation, adjustment or repair.

19. Do not run cord under carpets. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
20. Do not insert or allow any foreign objects to enter the intake or exhaust air openings, as it may cause mechanical, electrical, or fire damage to the mist fan.
21. Do not block or tamper with the misting fan nozzles, as it may reduce or impede the functionality or quality of the mist. Call an authorized service center for evaluation, adjustment or repair.
22. Always place the misting fan on a stable flat surface to avoid the chance of tipping.
23. Never place the misting fan where it may fall into a water reservoir (example: bathtub or pool), or anything containing an electrical conductive substance.
24. When the product is used outdoors, use only on GFCI (Ground Fault Circuit Interrupter) protected receptacles.
25. This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. Plug into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.
26. Avoid contact with moving parts.
27. Do not hang or mount misting fan on a wall or ceiling.
28. Do not operate without misting fan guards properly in place.

CAUTION: DO NOT USE IN A WINDOW. FAILURE TO DO SO COULD RESULT IN THE PRODUCT COMING APART DURING OPERATION AND/OR PERSONAL INJURY.

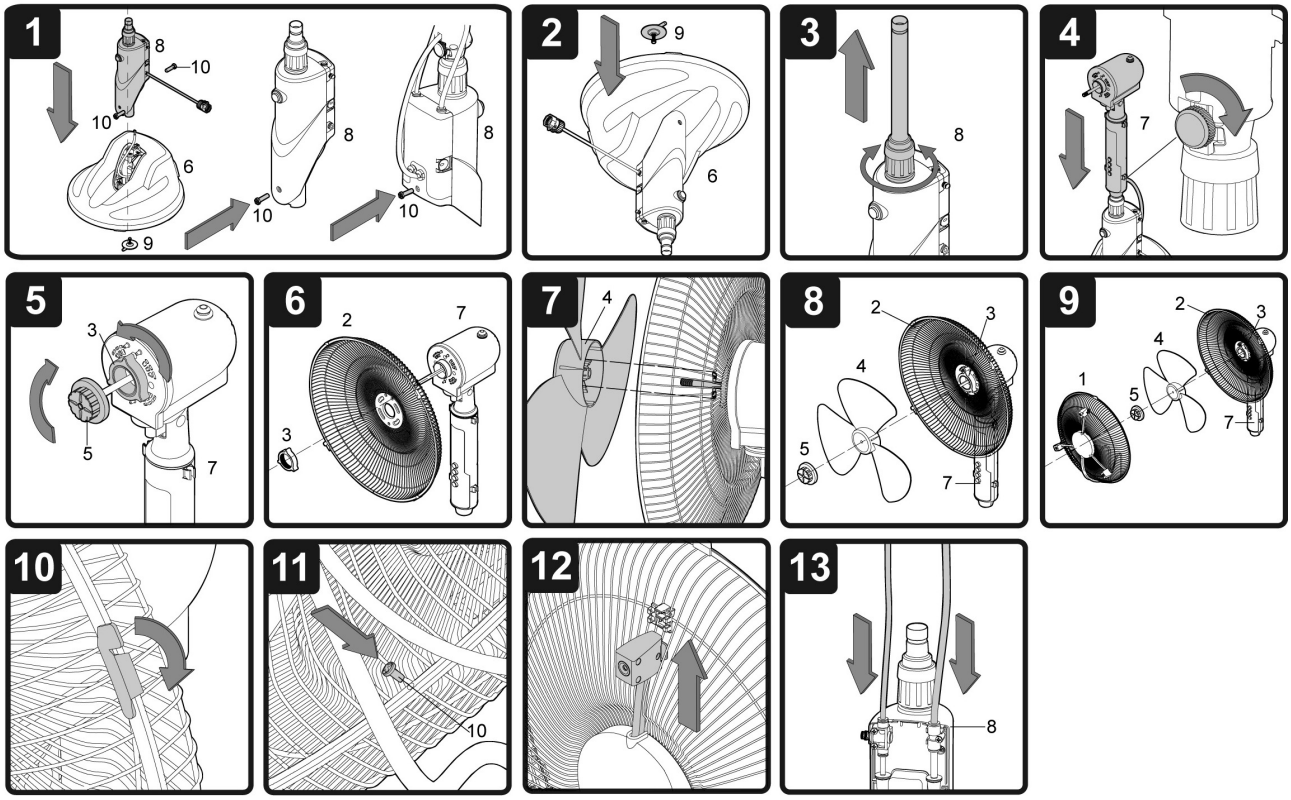
Carton Contents



Pack List	QTY.
1. Front fan guard assembly	1
2. Rear fan guard	1
3. Rear fan guard nut (screw on motor housing)	1
4. Fan blade	1
5. Fan blade nut (screw on motor axis)	1
6. Power base assembly	1
7. Fan head assembly	1
8. Fan pole assembly	1
9. Fan pole screw	1
10. Screws (3)	2

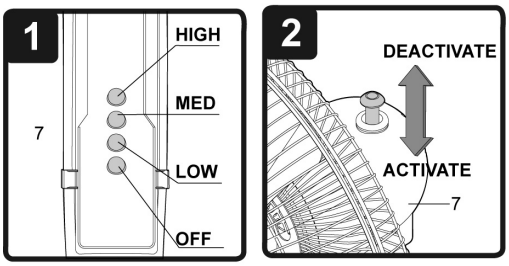
General Assembly Instructions

A Phillips head screwdriver is needed for assembly.



1. Ensure that the power cord is disconnected from the power outlet.
2. Align fan pole assembly to the power base assembly hole as illustrated. Gently push the hose and power cable aside and press the mist fan pole until the screw hole is aligned to the base (fig. 1). **CAUTION** - Make sure you do not kink the hose in this process.
3. Fasten the fan pole assembly to the power base assembly with the two screws (fig. 1).
4. Fasten the fan pole to the power base assembly with the fan pole screw (fig. 2).
5. Loosen the pole lock knob and pull the inner pole out, then tighten the pole lock (fig. 3).
6. Loosen the locking knob on the fan head assembly and attach the fan head assembly to the pole then tighten screw knob to secure the fan head assembly (fig. 4).
7. Disassemble the rear fan guard nut and the misting fan blade nut from the misting fan head assembly (fig.5).
8. Align the rear fan guard holes to the three pins on the motor housing, and fasten the rear fan guard to the fan head assembly with the rear fan guard nut (figure 6).
9. Mount the fan blade to the fan motor shaft (fig.7). Make sure the fan blade gap aligns with the pin clip on the motor shaft and screw on the blade nut (fig.8).
10. Align the front and rear guard and secure all the hinges around the outer rims of the fan guard (figures 9 & 10).
11. Fasten the front and rear fan guards with the supplied screw (fig. 11).
12. Connect all three nozzle housings by gently sliding the nozzle housing into the holder on the front fan guard (fig.12).
13. Connect the air tube and water tube to the connectors on the misting fan pole assembly by pushing the tubes all the way into the corresponding connectors (fig.13). (Note, small diameter tube = Water and large diameter tube = Air)

Operating Instructions



IMPORTANT: Read this owner's manual before operating this product.

THE MISTING FAN IS INTENDED FOR OUTDOOR USE BUT MAY BE USED INDOOR WITHOUT THE MISTING FEATURE.

Place the misting fan on a level surface near an electrical outlet. Place the misting fan out of reach of children. Do not insert anything into the fan guards. If moving the misting fan to a different location, turn it OFF and unplug it from the socket.

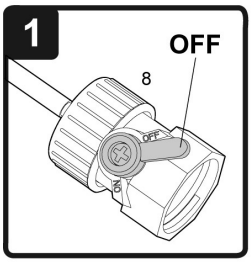
- To operate the misting mist fan, plug the power cord into a 120 VAC, 60Hz outlet.

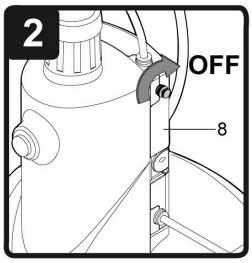
CAUTION: MISTING FAN AND/OR MISTING SYSTEM MAY START UP WHEN THE UNIT IS INITIALLY PLUGGED INTO THE POWER OUTLET.

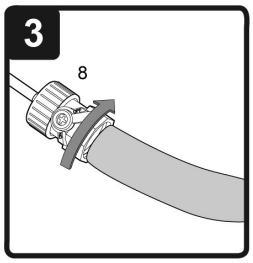
- **Fan Operation (ON-OFF, Speed control)**
  Press the button to Low, Medium, High, or OFF to select fan speed (fig.1).
- **Fan Operation (Oscillation Control)**
  To activate the oscillation function, press down the oscillation switch. To deactivate (stop) the oscillation function, pull-up the oscillation switch. The oscillation angle is approximately 65 degrees (fig. 2).
- **Misting Operation**

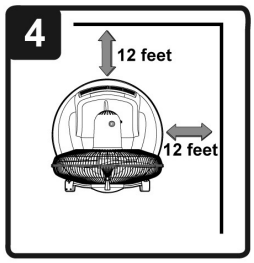
IMPORTANT: This product is designed to operate with city water supply. Make sure your water pressure is lower than 100 PSI. 40 to 80 PSI water pressure will ensure optimal functionality of the system throughout maintenance intervals. The misting fan and/or misting system may start up when the unit is initially plugged to the power outlet.

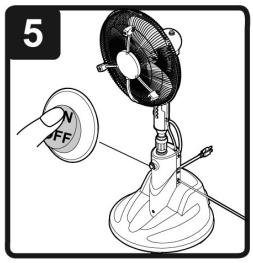
DO NOT USE THE MISTING FEATURES INDOORS.

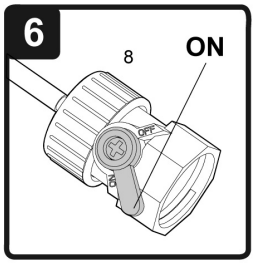


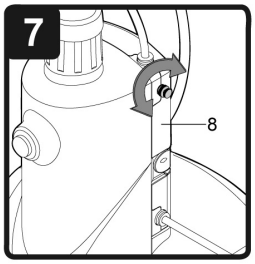


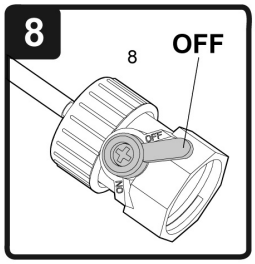


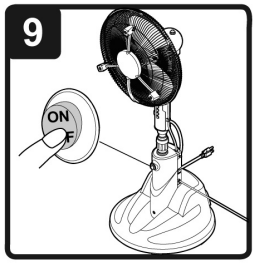












IMPORTANT: BEFORE STARTING:

- Make sure the ball valve of the fan is placed in the OFF position (fig. 1).
- Turn the mist control valve clockwise, until the valve is closed (fig. 2).
- Connect the water hose connector to the garden hose (fig. 3).
- Please keep the mist fan 12 feet away from your furniture and other electrical appliances (fig. 4).

Misting ON/OFF control

Mist ON

1. Press the rocker switch to the ON position (fig. 5).
2. Turn the ball valve to the ON position (fig. 6).
3. Open the flow control valve until mist is visible, then refer to **ADJUSTING MIST DENSITY** section, to get an optimal mist performance (fig.7).

Mist OFF

1. Turn the ball valve to OFF position (fig.8).
2. To prevent the accumulation of mineral deposits, let the pump run for 2 minutes after closing the ball valve so the air pump can clear the remaining water from the nozzles.
3. Turn the pump switch to the OFF position when complete (fig.9).

ADJUSTING MIST DENSITY

CAUTION: Do not over tighten and/or loosen the water flow control valve.

The misting function of this fan is adjusted by turning the flow control valve on the fan pole assembly clockwise to decrease mist density or counter-clockwise to increase mist density. It may take a minute for misting to start. It is normal for air to come out of the nozzles before water and the mist comes out.

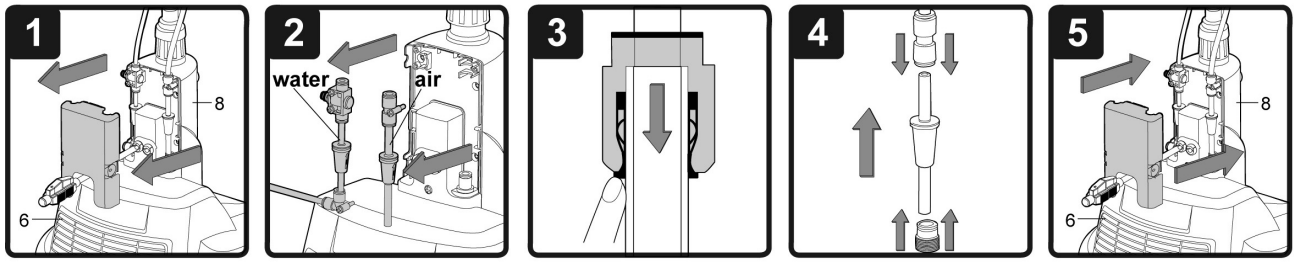
To optimize the cooling effectiveness of the system, you can:

- Operate the unit with a DRY or WET mist, based on your needs.
- To increase the mist density, turn the mist control valve counter-clockwise (fig.10).
- To decrease the mist density, turn the mist control valve clockwise (fig.11).

2.Operating Tips

For dry climates, increasing the water flow will provide maximum cooling results. In humid climates, a reduced water flow is recommended.

Maintenance



CUSTOMER RESPONSIBILITIES

Read and follow the maintenance schedule and the maintenance procedures listed in this section.

WARNING: ALLWAYS UNPLUG THE POWER CORD BEFORE MOVING OR SERVICING THE MISTING FAN.

WARNING: DO NOT IMMERSE THE MISTING MIST FAN IN WATER!

REPLACING FILTERS

WARNING: ANY SERVICING OF THIS UNIT, EXCEPT FOR GENERAL MAINTENANCE DESCRIBED IN THIS SECTION, SHOULD BE PERFORMED BY AN AUTHORIZED SERVICE REPRESENTATIVE.

CAUTION: The filters have been designed to provide optimal system performance by catching any debris that may enter the supply lines throughout use. Semi annual replacement of both the air and water filters ensures the life of your system.

- Remove the filter cover and locate the air and water filters (fig.1).
- The filters are connected to the system via “Push-In” connectors for ease of service

- Remove the screw of the push-in connector and water flow control valve. (fig. 2)
- Push the connector ring and pull out the air filter hose from the push-in connector, and the water filter hose from the water flow control valve (fig 3).
- Dispose of old filter.
- Remove filter from package and orient the directional arrow so that the flow direction is towards the up (fig. 4).
- Push the hose into the push-in connector to connect the filters (fig.4).
- Assemble the push-in connector and water flow control valve.
- Reinstall filter cover (fig.5).

Storage

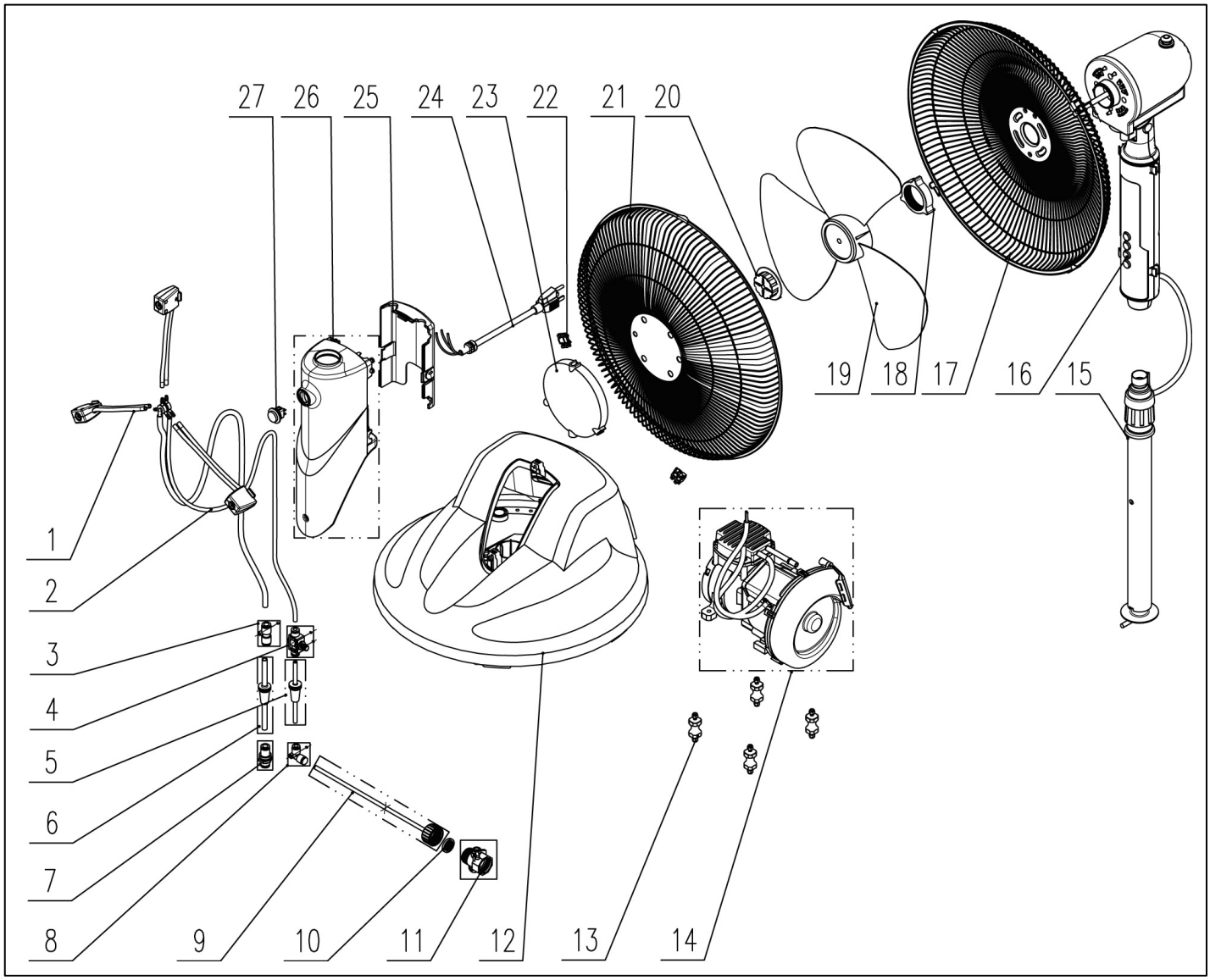
CAUTION: DO NOT USE GASOLINE, THINNER, ALCOHOL, SOLVENTS OR OTHER HARSH CLEANNERS OR CHEMICALS TO CLEAN THE FAN. THEY WILL DAMAGE THE MISTING FAN.

- Clean the unit with a soft cloth and mild soap solution.
- Dry all parts completely.
- Store the mist fan in a clean and dry place.

Troubleshooting

PROBLEM	CAUSE	CORRECTION
Misting fan not running	1. Power cord is not connected 2. Switch is in the “OFF” position	1. Connect power cord 2. Switch mist fan on high, medium ,low and positions
Unit not misting	1. Water faucet is OFF 2. Ball valve is OFF 3. Misting valve in the ”CLOSED” position 4. Water filter could be clogged	1. Open the water faucet 2. Switch the ball valve to ON position 3. Open valve (counterclockwise) 4. Replace water filter
Water streaming from nozzle	1. Air pump is not working 2. Air flow is low 3. Air filter needs replacement 4. Air hose leaks 5. Foreign object in nozzle	1. Turn on the mist ON/OFF switch 2. Change the intake filter of air pump 3. Replace air filter 4. Turn off mist fan motor, and feel any air leaks on hoses 5. Order and replace nozzle
Mist is not balanced on three nozzle	1. Low water flow 2. Water hose leaks	1. Adjust the water flow control valve 2. Turn off mist fan motor, and feel any air leaks on hoses

Exploded View



Parts List

No.	Part No.	Description	QTY
1	FV9144.A0.01	nozzle assembly	3
2	FV9144.A0.02	nozzle hose assembly	1
3	FV9144.A0.03	Φ8 connector	1
4	FV9144.A0.04	Φ6 water flow control valve	1
5	FV9144.50.00	Φ6 water filter	1
6	FV9144.40.00	Φ8 air filter	1
7	FV9144.60.00	clapboard connector	1
8	FV9144.A0.05	angle connector	1
9	ZF01MF.A0.01	water inlet hose assembly	1
10	FV9144.70.03	water pre-filter	1
11	FV9144.70.10	ball valve	1
12	ZF01MF.A0.02	base plate assembly.	1
13	ZF01MF.30.00	pump Bushings–	4
14	WZQB01.00.00	air pump	1
15	ZF01MF.20.00	fan pole assembly	1
16	ZF01MF.A0.03	fan head assembly	1
17	ZF01MF.10.03	rear guard	1
18	ZF01MF.10.22	rear grill nut	1
19	ZF01MF.10.02	fan blade	1
20	ZF01MF.10.21	blade nut	1
21	ZF01MF.10.01	front guard	1
22	FV9144.00.03	nozzle housing frame	3
23	ZF01MF.00.05	front cover	1
24	TODXD9.18.UL	power cable assembly	1
25	ZF01MF.00.03	filter door	1
26	ZF01MF.A0.04	pole cover assembly	1
27	WVDQ10.05.06	pump switch	1

Warranty

ONE YEAR FULL WARRANTY

This product is warranted for one year from the date of purchase against defects in materials and workmanship. At our discretion, parts that prove to be defective will either be repaired or replaced, or the whole product will be replaced. In either case copy of your proof of purchase will be required.

In case that any mechanical or electrical repairs are required during the warranty period send your complete product, postage or freight prepaid to the auraMIST service center near you. Call the number below to get the nearest service center.

This warranty does not include the air or water filters, which are expendable parts that can wear out from normal use within the warranty period. This warranty applies for only 90 days if this product is ever used for commercial or rental purposes.

auraMIST, Inc.
5210 Village Parkway
Rogers, AR 72758

The model number and manufacturing date code can be found on the label attached to the back of the power unit.
You should record both the model number and the date of purchase and keep in a safe place for future reference.

MODEL NUMBER: XXXXX
MFG DATE CODE: XXXX
DATE OF PURCHASE: XX-XX-XX

CUSTOMER SERVICE NUMBER: 1-800-320-6478
Website: www.auramist.net